

ORIGINAL

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION

T02-0008

STIPULATED AGREEMENT

This agreement made and entered into, by and between the State of Illinois acting by and through the Illinois Commerce Commission, hereinafter referred to as the "Commission", the Burlington Northern and Santa Fe Railway Company, hereinafter referred to as the "Company", Township District #1, McDonough County, hereinafter referred to as the "Township", and the State of Illinois, Department of Transportation, hereinafter referred to as the "Department".

WITNESSETH:

WHEREAS, it has come to the attention of the Commission through staff investigation that inquiry should be made into the matter of improving public safety at the crossing of the Company's track with public highways known as TR-200 located near Macomb and TR-118 located near Tennessee, both in Township District #1 in McDonough County Illinois, designated as crossings DOT 072 887C, milepost 207.48Q and DOT 072 596M, milepost 210.78Q, respectively; and

WHEREAS, proper investigation has been made of the circumstances surrounding the aforesaid crossings by a staff member of the Commission's Transportation Division, Railroad Section; and

WHEREAS, the physical aspects, including geometrics of the intersections, train movements, vehicular traffic volumes, and sight distances and all other pertinent data relating to the crossings has been obtained and shown on Exhibits A, and A-1 attached to the agreement; and

WHEREAS, the parties are mutually agreeable to accomplish the proposed improvements upon a determination of the Commission by Order.

NOW, THEREFORE in consideration of the premises and of the mutual covenants and agreements as hereinafter contained the parties pray that the Commission enter an Order according to the provisions of Section 18c-7401 of the Illinois Commercial Transportation Law requiring that certain improvements as hereinafter stated be made and that the cost for the proposed improvements be divided among the parties according to law and that in the interest of the statewide traveling public the Grade Crossing Protection Fund of the Motor Fuel Tax Law be required to bear a substantial portion of the cost; To Wit the parties agree as follows:

Section 1 All improvements encompassed by this agreement shall be made in

accordance with all applicable State laws, rules, standards, regulations and Orders and procedures in general.

Section 2 The parties are of the opinion that the proper improvements in the interest of public safety at the aforesaid crossings should be:

TR-200

- a) the Company should install new automatic flashing light signals and short arm gates controlled by constant warning time circuitry;

TR-118

- b) the Company should install new automatic flashing light signals and short arm gates controlled by constant warning time circuitry;

Section 3 The Company has prepared preliminary estimates of cost which are attached as Exhibits B, and B-1 to accomplish the proposed improvements which it may be required to perform; The Company shall upon Order, according to the requirements contained therein, prepare detailed drawings, detailed circuit plans, estimates of cost, and any required specifications for the proposed improvements for the approval of the Commission and Department.

Section 4 The Company shall upon Order, according to the requirements contained therein, proceed toward the completion of the proposed improvements, accomplishing the work with its own forces or appropriate contracted services and agrees that an appropriate time for the submission of plans should be one hundred twenty (120) days, for the submission of progress reports should be six (6) months and for the completion of the proposed improvements should be twelve (12) months, from the date of Commission Order subsequent to this agreement.

Section 5 The parties hereto agree that an equitable division of cost for the proposed improvements should be:

TR-200

- a) The cost to install automatic flashing light signals and gates estimated at \$140,534, should be allocated whereby the Department utilizing federal funding under TEA-21, should pay 70% of the actual project cost (not to exceed \$98,374); the Grade Crossing Protection Fund (Fund) should bear 30% of said project cost (not to exceed \$42,160), with the Company bearing any remaining cost after payment from TEA-21 and the Fund, as well as all future operation and maintenance cost thereof;

IR-118

- b) The cost to install automatic flashing light signals and gates estimated at \$196,026, should be allocated whereby the Department utilizing federal funding under TEA-21, should pay 70% of the actual project cost (not to exceed \$137,218); the Grade Crossing Protection Fund (Fund) should bear 30% of said project cost (not to exceed \$58,808), with the Company bearing any remaining cost after payment from TEA-21 and the Fund, as well as all future operation and maintenance cost thereof;

Section 6                      Special Provisions: Since federal funding is being utilized for the warning device improvements at the subject crossing, all such work shall be covered by appropriate provisions of Title 23, Chapter I, Subchapter G, Part 646 of the Federal-Aid Policy Guide adopted Dec. 9, 1991.

Since the warning device improvement at the subject crossing will be performed by railroad crews, no flagging or contractor liability insurance will be required for said work.

The Company shall at six (6) month intervals from the date of Commission Order issued subsequent to this Agreement until the project is completed, file a written report with the Director of Processing and Information, Transportation Division of the Commission, stating the status of expenditures of the project and the percentage of completion of the project. If the project is behind schedule the report must include a brief explanation of the reason(s) for the delay.

All bills for expenditures authorized to be reimbursed from the Grade Crossing Protection Fund shall be submitted to Mr. Henry Cronister, Bureau of Local Roads and Streets, Main Office, Illinois Department of Transportation at 2300 South Dirksen Parkway, Room 205, Springfield, Illinois, 62764. The Department shall send a copy of each bill received to the Director of Processing and Information, Transportation Division of the Commission. The final bill for expenditures from each party shall be clearly marked "Final Bill". All bills shall be submitted to the Department and Commission no later than twenty-four (24) months from the date of Commission Order subsequent to this agreement. Authorization for reimbursement from the Grade Crossing Protection Fund shall expire twelve (12) months after the completion date specified in the Order. The Department shall, at the end of the 24<sup>th</sup> month from the Commission's Order date, de-obligate all residual funds accountable for installation costs for this project.

The Company shall at six (6) month intervals from the date of Commission's Order subsequent to this Agreement, submit written reports to the Director of Processing and Information, Transportation Division of the Commission, stating the progress it has made toward completion of the work herein required. Each progress report shall include the Commission Order number, the Order date, the project completion date as noted in the Order, crossing information (inventory number and railroad milepost), type of improvement, and the name, title, mailing address, phone number and facsimile number

of the Company employee responsible for management of the project.

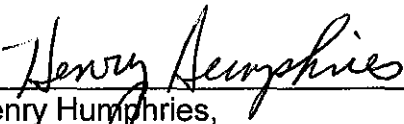
In Witness Whereof, the parties have caused this agreement to be executed by their duly authorized officers, as of the dates indicated herein.

Executed by the Commission this 22nd day of January, 2002.



Michael E. Stead  
Railroad Safety Program Administrator

Attest:



Henry Humphries,  
Railroad Safety Specialist

Illinois Commerce Commission Stipulated Agreement No. 974 concerning improving public safety at the crossing of The Burlington Northern and Santa Fe Railway Company's track with public highways known as TR-200 located near Macomb and TR-118 located near Tennessee, both in Township District #1 in McDonough County Illinois, designated as crossings DOT 072 887C, milepost 207.48Q and DOT 072 596M, milepost 210.78Q, respectively.

Executed by the Township this 28<sup>th</sup> day of January 2002.

TOWNSHIP DISTRICT #1,  
MCDONOUGH COUNTY

By: Marion Weaver

Attest:

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Illinois Commerce Commission Stipulated Agreement No. 974 concerning improving public safety at the crossing of The Burlington Northern and Santa Fe Railway Company's track with public highways known as TR-200 located near Macomb and TR-118 located near Tennessee, both in Township District #1 in McDonough County Illinois, designated as crossings DOT 072 887C, milepost 207.48Q and DOT 072 596M, milepost 210.78Q, respectively.

Executed by the Department this 7<sup>th</sup> day of February 2002.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

By: \_\_\_\_\_

  
Director of Highways

Illinois Commerce Commission Stipulated Agreement No. 974 concerning improving public safety at the crossing of The Burlington Northern and Santa Fe Railway Company's track with public highways known as TR-200 located near Macomb and TR-118 located near Tennessee, both in Township District #1 in McDonough County Illinois, designated as crossings DOT 072 887C, milepost 207.48Q and DOT 072 596M, milepost 210.78Q, respectively.

Executed by the Company this 12<sup>TH</sup> day of February 2002.

THE BURLINGTON NORTHERN AND  
SANTA FE RAILWAY COMPANY

By: Cheryl Martin

Attest:

Julie Koon. Branch

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION  
STIPULATED AGREEMENT SURVEY FORM

RR/Line BNSF Milepost 207.48Q Inventory # 072 887C  
City (N) Macomb Street TR-200 County McDonough  
Jurisdiction Twp. Urban      Rural X Commercial      Residential       
Street Surface Oil/Chip Width 18' Condition       
Angle 55° Tracks Tangent Yes Degree of Curve -- Superelevation -  
Depth of Cut ----- Height of Fill <2'

Crossing Surface

Track Centers	Elevation	Track	Type	Width	Condition
		<u>Main</u>	<u>FDT</u>	<u>32'</u>	<u>Fair</u>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
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<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>

Intersecting Roads 75' Rt 136 200' -----  
Traffic Control Devices Present Stop signs at Rt 136  
ADT 200 Speed unposted (55mph) Statewide Yes  
Schoolbuses Poss Hazardous Materials Poss. Other         
Rail Traffic: Ft.28-32 @ 60 mph Pass. 2 @ 79 mph Switch Yes  
Simultaneous Movements NO Daylight and Dark YES  
Present Protection Crossbucks

Advance Warning Signs Yes Pavement Marking No

## Visibility Study

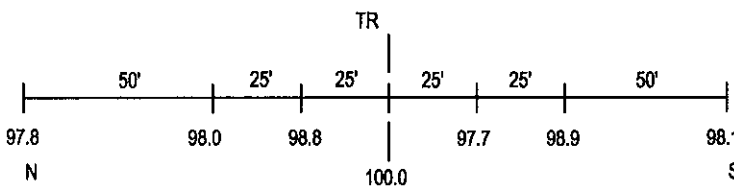
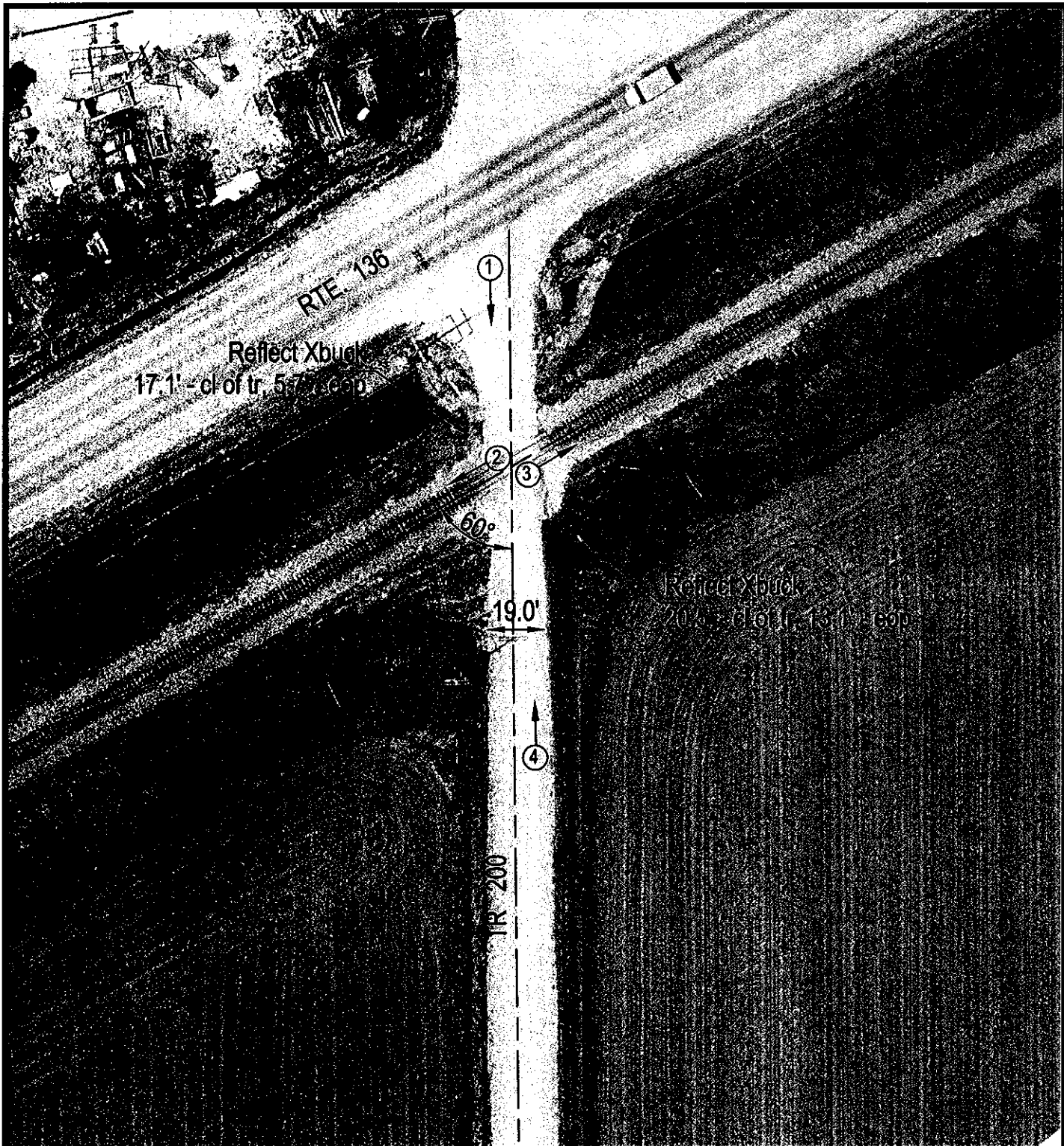
Quad	Clearing Visibility	Obstruction	Stopping Visibility	Obstruction
NE	N/A		Ok	
NW	N/A		Ok	
SE	N/A		50'	Crops
SW	N/A		50'	Crops

## Approach Grades

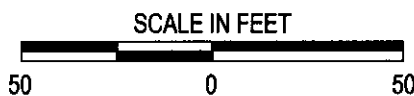
North	Meets	92	%	Ill.	Adm.	%	Code	1535	%
South	"	"	%	"	"	%	"	"	%

Comments: \_\_\_\_\_

[illegible]



ROAD PROFILE



③ Photo Location

Crossing #: 072887C  
 Location: McDonough Co., City of Macomb (Near)  
 Lat/Long: 40°26'09" / 90°45'46"  
 Railroad: BNSF  
 Street: TR 200  
 Railroad Milepost: 207.48  
 Crossing Protection: Sign

STATE OF ILLINOIS  
ILLINOIS COMMERCE COMMISSION  
STIPULATED AGREEMENT SURVEY FORM

RR/Line BNSF Milepost 210.78Q Inventory # 072 596M  
City (N) Tennessee Street TR-118 County McDonough  
Jurisdiction TWP Urban      Rural X Commercial      Residential       
Street Surface Gravel Width 18' Condition Fair  
Angle 55° Tracks Tangent Yes Degree of Curve -- Superelevation -  
Depth of Cut ----- Height of Fill -----

Crossing Surface

Track Centers	Elevation	Track	Type	Width	Condition
		<u>Main</u>	<u>FDT</u>	<u>32'</u>	<u>Fair</u>
<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>	<u>      </u>
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Intersecting Roads 70' RT 136 200' -----  
Traffic Control Devices Present Stop signs at RT 136  
ADT 125 Speed unposted (55mph) Statewide Yes  
Schoolbuses Poss. Hazardous Materials Poss. Other       
Rail Traffic: Ft. 28-32 @ 60 mph Pass. 2 @ 79 mph Switch Yes  
Simultaneous Movements No Daylight and Dark Yes  
Present Protection Crossbucks  
        
Advance Warning Signs Yes Pavement Marking No

## Visibility Study

Quad	Clearing Visibility	Obstruction	Stopping Visibility	Obstruction
NE	N/A		Ok	
NW	N/A		Ok	
SE	N/A		50'	Crops
SW	N/A		50'	Crops

## Approach Grades

North	<u>Meets</u>	<u>92</u>	<u>%</u>	<u>Ill.</u>	<u>Adm.</u>	<u>%</u>	<u>Code</u>	<u>1535</u>	<u>%</u>
South	<u>"</u>	<u>"</u>	<u>%</u>	<u>"</u>	<u>"</u>	<u>%</u>	<u>"</u>	<u>"</u>	<u>%</u>

Comments: \_\_\_\_\_

[illegible]



\*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\* FOR INTERNAL USE ONLY \*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\*

LOCATION	: COLCHESTER	LINE SEGMENT	: 11	AFE NUMBER	:
PLANITEM NUMBER	: PS1072887C	MILEPOST	: 0207.48	RFA NUMBER	:
PROPERTY OF	: BNSF RAILWAY COMPANY	DIVISION	: CH	CPAR NUMBER	:
OPERATED BY	: BNSF RAILWAY COMPANY	SUBDIVISION	: BROOKFIELD	BUDGET YEAR	: 2002
JOINT FACILITY	: STATE OF ILLINOIS	TRACK TYPE	: 1	BUDGET CLASS	: 10
% BILLABLE (+/-)	: 100.00	TAX STATE	: IL COUNTY: MCDONOUGH	REPORTING OFFICE	: 456
REQUESTER ID	: XXXX - SYSTEMWIDE DEFAULT	MATL DATE	:	SPONSOR	: VP ENGIN
PROJECT TYPE	: SGX	LOCATION CODE	: 381043	DEPT CODE	: MOWGH
DOT NUMBER	: 072887C			DERAILMENT CODE	:

## PURPOSE, JUSTIFICATION AND DESCRIPTION

SIGNAL COST TO INSTALL A NEW CROSSING WITH GATES, FLASHERS & CONSTANT WARNING AT 750 E (TR 200) DOT 072887C NEAR COLCHESTER, IL LS 0011 MP 207.48 ON THE CHICAGO DIV.....BROOKFIELD SUBDIV.

THE MATERIAL LIST BELOW REFLECTS TYPICAL REPRESENTATIVE PACKAGES USED FOR ESTIMATING PURPOSE ONLY.

THEY CAN BE EXPECTED TO CHANGE AFTER THE ENGINEERING PROCESS. DETAILED AND ACCURATE MATERIAL LISTS WILL BE FURNISHED WHEN ENGINEERING IS COMPLETED.

CONTINUING CONTRACTS HAVE BEEN ESTABLISHED FOR PORTIONS OF SIGNAL WORK ON THE BNSF RAILROAD.

THIS ESTIMATE IS GOOD FOR 90 DAYS. THEREAFTER THE ESTIMATE IS SUBJECT TO CHANGE IN COST FOR LABOR, MATERIAL, AND OVERHEAD.

\*\*\*\*\* SIGNAL WORK ONLY \*\*\*\*\*

THE STATE OF ILLINOIS IS FUNDING THIS PROJECT. 100% OF BNSF'S COST IS AT THE STATES EXPENSE.

MAINTAIN PROPRIETARY CONFIDENTIALITY.

\*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\* FOR INTERNAL USE ONLY \*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\*

	CASH CAPITAL	NONCASH CAPITAL	OPERATING EXP	REMOVAL COST	BILLABLE	TOTALS
LABOR COSTS	0	0	0	0	56,923	56,923
MATERIAL COSTS	0	0	0	0	59,954	59,954
OTHER COSTS	0	0	0	0	23,657	23,657
TOTALS	0	0	0	0	140,534	140,534

ENGINEERING SERVICES - KANSAS CITY  
ESTIMATE REF. NUMBER : PS1072887C - 1--2S  
COSTING DATE : 01/09/2002

PRINTED ON : 01/09/2002  
ESTIMATED BY : POOR  
PRINTED BY : POOR

ACCT	CST	RSN	PPE	DESCRIPTION	QTY/ST	OT U/M	CASH	NONCASH	OPER	REMOVAL
8		400	9911	SIGNAL FIELD LABOR	840.00	0.0 MH	20,045			
* LABOR SUBTOTAL							20,045	0	0	0
1120	319	400	9911	BATTERY	1.0	LS N	3,783			
1120	319	400	9911	BUNGALOW 6X6	1.0	EA N	5,421			
1120	319	400	9911	BUNGALOW MATERIAL	1.0	LS N	5,421			
1120	319	400	9911	CABLE	1.0	LS N	1,388			
1120	319	400	9911	CHARGERS	1.0	LS N	904			
1120	319	400	9911	FIELD MATERIAL	1.0	LS N	6,270			
1120	319	400	9911	GATE KEEPER	2.0	EA N	3,512			
1120	319	400	9911	GATE MECH. MODEL 95	2.0	EA N	10,110			
1120	319	400	9911	HXP3R SYSTEM	1.0	EA N	13,080			
1120	319	400	9911	MISC MATERIAL	1.0	LS N	2,000			
1120	319	400	9911	RTU-6, CELLULAR MONITOR	1.0	EA N	1,818			
1120	319	400	9911	VIGILANT RECORDER	1.0	EA N	1,684			
* MATERIAL SUBTOTAL							55,391	0	0	0
1120	367	400	9911	CONTRACT ENGR.	1.0	EA N	6,000			
1120	790	400	9911	FILL DIRT	5.0	CY N	125			
1120	367	400	9911	MACHINE RENTAL	1.0	EA N	3,120			
1120	790	400	9911	SURFACE ROCK	20.0	CY N	500			
* OTHER SUBTOTAL							9,745	0	0	0
* ADDITIVES										
				PAYROLL ASSOCIATED COSTS			13,490			
				EQUIPMENT EXPENSES			4,329			
				DA LABOR OVERHEADS			10,343			
				INSURANCE EXPENSES			3,167			
				USE TAX			3,541			
				OFFLINE TRANSPORTATION			693			
* GANG TOTAL							120,744	0	0	0
8		400	9911	SIGNAL SHOP LABOR	64.00	0.0 MH	1,341			
* LABOR SUBTOTAL							1,341	0	0	0
* ADDITIVES										
				PAYROLL ASSOCIATED COSTS			902			
				EQUIPMENT EXPENSES			289			
				DA LABOR OVERHEADS			691			
				INSURANCE EXPENSES			211			
* GANG TOTAL							3,434	0	0	0
8		411		ELECTRICAL LABOR F/POWER TRANS SYS	38.00	0.0 MH	826			
* LABOR SUBTOTAL							826	0	0	0
1120	319	410		MATERIAL FOR ELECTRICAL	1.0	EA	300			
* MATERIAL SUBTOTAL							300	0	0	0
1120	790	400	9911	AC POWER SERVICE	1.0	EA	500			
* OTHER SUBTOTAL							500	0	0	0
* ADDITIVES										
				PAYROLL ASSOCIATED COSTS			555			
				EQUIPMENT EXPENSES			178			
				DA LABOR OVERHEADS			426			
				INSURANCE EXPENSES			130			
				MATERIAL HANDLING			7			
				USE TAX			19			
				OFFLINE TRANSPORTATION			3			
* GANG TOTAL							2,944	0	0	0

PROJECT SUBTOTAL	127,122	0	0	0
CONTINGENCIES	12,712	0	0	0
BILL PREPARATION FEE	700	0	0	0
PROJECT GROSS COST	140,534	0	0	0
LESS COST PAID BY OTHERS	140,534	0	0	0
PROJECT NET COST	0	0	0	0

\*\*\*\*\* MAINTAIN PROPRIETARY CONFIDENTIALITY \*\*\*\*\*

THE B. N. S. F. RAILWAY COMPANY  
FHEM ESTIMATE FOR  
STATE OF ILLINOIS

LOCATION:- COLCHESTER DETAILS OF ESTIMATE PLAN ITEM: PSI072887C VERSION: 1

## PURPOSE, JUSTIFICATION AND DESCRIPTION

SIGNAL COST TO INSTALL A NEW CROSSING WITH GATES, FLASHERS & CONSTANT WARNING AT 750 E (TR 200) DOT 072887C NEAR COLCHESTER, IL LS 0011 MP 207.48 ON THE CHICAGO DIV.....BROOKFIELD SUBDIV.

THE MATERIAL LIST BELOW REFLECTS TYPICAL REPRESENTATIVE PACKAGES USED FOR ESTIMATING PURPOSE ONLY.

THEY CAN BE EXPECTED TO CHANGE AFTER THE ENGINEERING PROCESS. DETAILED AND ACCURATE MATERIAL LISTS WILL BE FURNISHED WHEN ENGINEERING IS COMPLETED.

CONTINUING CONTRACTS HAVE BEEN ESTABLISHED FOR PORTIONS OF SIGNAL WORK ON THE BNSF RAILROAD.

THIS ESTIMATE IS GOOD FOR 90 DAYS. THEREAFTER THE ESTIMATE IS SUBJECT TO CHANGE IN COST FOR LABOR, MATERIAL, AND OVERHEAD.

\*\*\*\*\* SIGNAL WORK ONLY \*\*\*\*\*

THE STATE OF ILLINOIS IS FUNDING THIS PROJECT. 100% OF BNSF'S COST IS AT THE STATES EXPENSE.

MAINTAIN PROPRIETARY CONFIDENTIALITY.

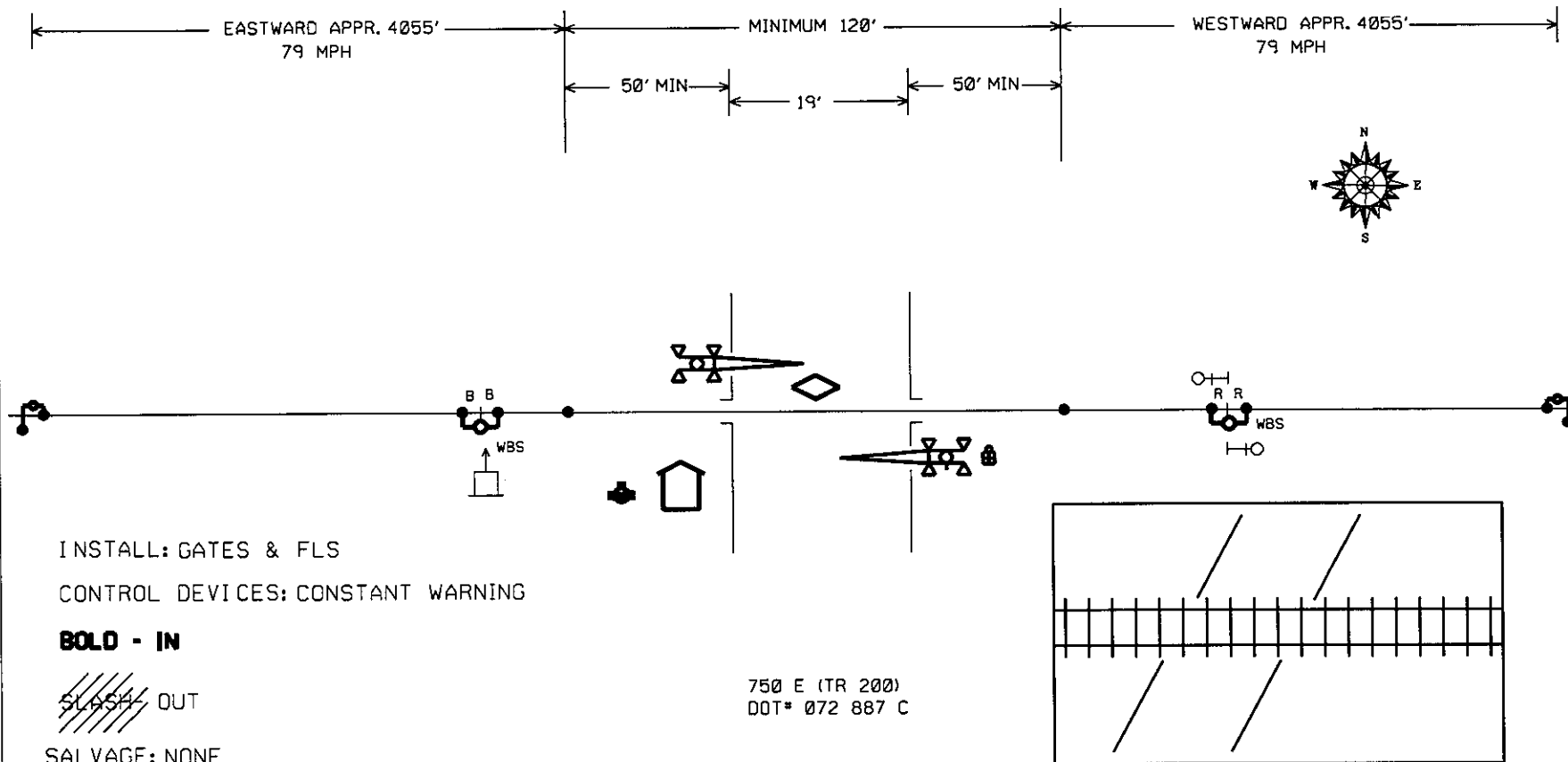
DESCRIPTION	QUANTITY	U/M	COST	TOTAL \$
*****				
LABOR				
*****				
ELECTRICAL LABOR F/POWER TRANS SYS	38.00	MH	826	
SIGNAL FIELD LABOR	840.00	MH	20,045	
SIGNAL SHOP LABOR	64.00	MH	1,341	
PAYROLL ASSOCIATED COSTS			14,947	
EQUIPMENT EXPENSES			4,796	
DA LABOR OVERHEADS			11,460	
INSURANCE EXPENSES			3,508	
TOTAL LABOR COST			56,923	56,923
*****				
MATERIAL				
*****				
BATTERY	1.00	LS N	3,783	
BUNGALOW 6X6	1.00	EA N	5,421	
BUNGALOW MATERIAL	1.00	LS N	5,421	
CABLE	1.00	LS N	1,388	
CHARGERS	1.00	LS N	904	
FIELD MATERIAL	1.00	LS N	6,270	
GATE KEEPER	2.00	EA N	3,512	
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RTU-6, CELLULAR MONITOR	1.00	EA N	1,818	
VIGILANT RECORDER	1.00	EA N	1,684	
MATERIAL HANDLING			7	
USE TAX			3,560	
OFFLINE TRANSPORTATION			696	
TOTAL MATERIAL COST			59,954	59,954
*****				
OTHER				
*****				
AC POWER SERVICE	1.00	EA	500	
CONTRACT ENGR.	1.00	EA N	6,000	
FILL DIRT	5.00	CY N	125	
MACHINE RENTAL	1.00	EA N	3,120	
SURFACE ROCK	20.00	CY N	500	
TOTAL OTHER ITEMS COST			10,245	10,245

PROJECT SUBTOTAL	127,122
CONTINGENCIES	12,712
BILL PREPARATION FEE	700
	-----
GROSS PROJECT COST	140,534
LESS COST PAID BY BNSF	0
	-----
TOTAL BILLABLE COST	140,534
	=====

TO WEST QUINCY

## The Burlington Northern &amp; Santa Fe Railway Company

TO GALESBURG



- INSTRUMENT HOUSE
- BELL
- METER
- CROSSING CONTROL CONNECTIONS
- UNIDIRECTIONAL CROSSING CONTROL
- BIDIRECTIONAL CROSSING CONTROL
- COUPLER OR TERMINATION
- GUARD RAIL

## Warning device placements:

Clearance to C.L. Track = Min. 12' Max. 20'  
 Edge of Road to C.L. Foundation:

Min. 4'1" with curb,  
 Min. 8'1" without curb,  
 Max. 12'

House Clearance: 25' Min. to C.L. of Track  
 30' Min. to Edge of Road

Front Lights: 30-15 Degree Lenses

Back and Side Lights: 70 Degree Lenses

Canilever Jury Mast: 20-32 Degree Lenses

BNSF RAILWAY CO.

COLCHESTER, IL.

750 E (TR 200)

LS 0011 BROOKFIELD SUBDIVISION

M.P. 207.48 CHICAGO DIVISION

DOT# 072 887 C

KANSAS CITY

NO SCALE

DATE: 01/09/02

FILE: 0011207.48.DGN

MCR/TLP

\*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\* FOR INTERNAL USE ONLY \*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\*

LOCATION	: TENNESSEE	LINE SEGMENT	: 11	AFE NUMBER	:
PLANITEM NUMBER	: PSI072596M	MILEPOST	: 0210.78	RFA NUMBER	:
PROPERTY OF	: BNSF RAILWAY COMPANY	DIVISION	: CH	CPAR NUMBER	:
OPERATED BY	: BNSF RAILWAY COMPANY	SUBDIVISION	: BROOKFIELD	BUDGET YEAR	: 2002
JOINT FACILITY	: STATE OF ILLINOIS	TRACK TYPE	: 1	BUDGET CLASS	: 10
% BILLABLE (+/-)	: 100.00	TAX STATE	: IL COUNTY: MCDONOUGH	REPORTING OFFICE	: 456
REQUESTER ID	: XXXX - SYSTEMWIDE DEFAULT	MATL DATE	:	SPONSOR	: VP ENGIN
PROJECT TYPE	: SGX	LOCATION CODE	: 381043	DEPT CODE	: MOWSG
DOT NUMBER	: 072596M			DERAILMENT CODE	:

## PURPOSE, JUSTIFICATION AND DESCRIPTION

SIGNAL COST TO INSTALL A NEW CROSSING WITH GATES, FLASHERS & CONSTANT WARNING AT TR 118  
DOT 072 596 M NEAR TENNESSEE, IL ON THE CHICAGO DIV.....BROOKFIELD SUBDIV.

THE MATERIAL LIST BELOW REFLECTS TYPICAL REPRESENTATIVE PACKAGES USED FOR ESTIMATING PURPOSE  
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THEY CAN BE EXPECTED TO CHANGE AFTER THE ENGINEERING PROCESS. DETAILED AND ACCURATE  
MATERIAL LISTS WILL BE FURNISHED WHEN ENGINEERING IS COMPLETED.

CONTINUING CONTRACTS HAVE BEEN ESTABLISHED FOR PORTIONS OF SIGNAL WORK ON THE BNSF  
RAILROAD.

THIS ESTIMATE IS GOOD FOR 90 DAYS. THEREAFTER THE ESTIMATE IS SUBJECT TO CHANGE IN COST  
FOR LABOR, MATERIAL, AND OVERHEAD.

\*\*\*\*\* SIGNAL WORK ONLY \*\*\*\*\*

THE STATE OF ILLINOIS IS FUNDING THIS PROJECT. 100% OF BNSF'S COST IS AT THE STATES  
EXPENSE.

MAINTAIN PROPRIETARY CONFIDENTIALITY

\*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\* FOR INTERNAL USE ONLY \*\*\*\*\* NOTE \*\*\*\* NOTE \*\*\*\*\*

	CASH CAPITAL	NONCASH CAPITAL	OPERATING EXP	REMOVAL COST	BILLABLE	TOTALS
LABOR COSTS	0	0	0	0	65,939	65,939
MATERIAL COSTS	0	0	0	0	97,140	97,140
OTHER COSTS	0	0	0	0	32,947	32,947
TOTALS	0	0	0	0	196,026	196,026

ENGINEERING SERVICES - KANSAS CITY  
ESTIMATE REF. NUMBER : PSI072596M - 1--2S  
COSTING DATE : 01/21/2002

PRINTED ON : 01/21/2002  
ESTIMATED BY : POOR  
PRINTED BY : POOR

ACCT	CST	RSN	PPE	DESCRIPTION	QTY/ST	OT U/M	CASH	NONCASH	OPER	REMOVAL
8		400	9911	SIGNAL FIELD LABOR	1008.00	0.0 MH	24,053			
* LABOR SUBTOTAL							24,053	0	0	0
1120	319	400	9911	BATTERY	1.0	LS N	5,060			
1120	319	400	9911	BUNGALOW 6X6	1.0	EA N	5,421			
1120	319	400	9911	BUNGALOW MATERIAL	1.0	LS N	7,525			
1120	319	400	9911	CABLE	1.0	LS N	6,768			
1120	319	400	9911	CHARGERS	1.0	LS N	904			
1120	319	400	9911	FIELD MATERIAL	1.0	LS N	7,388			
1120	319	400	9911	GATE KEEPER	2.0	EA N	3,434			
1120	319	400	9911	GATE MECH. MODEL 95	2.0	EA N	10,110			
1120	319	400	9911	HXP3R2, SYSTEM	2.0	EA N	37,426			
1120	319	400	9911	MISC. MATERIAL	1.0	LS N	2,000			
1120	319	400	9911	ONE WAY SIDELIGHT ASSY	1.0	LS N	700			
1120	319	400	9911	RTU-6 CELLULAR MONITOR	1.0	EA N	1,818			
1120	319	400	9911	VIGILANT RECORDER	1.0	EA N	1,683			
* MATERIAL SUBTOTAL							90,237	0	0	0
1120	367	400	9911	CONTRACT ENGR.	1.0	EA N	6,000			
1120	790	400	9911	FILL DIRT	80.0	CY N	2,000			
1120	434	400	9911	MACHINE RENTAL	1.0	EA N	6,240			
* OTHER SUBTOTAL							14,240	0	0	0
* ADDITIVES										
				PAYROLL ASSOCIATED COSTS			16,187			
				EQUIPMENT EXPENSES			5,195			
				DA LABOR OVERHEADS			12,411			
				INSURANCE EXPENSES			3,800			
				USE TAX			5,772			
				OFFLINE TRANSPORTATION			1,131			
* GANG TOTAL										
				SIGFIELD-5M - SIGNAL FIELD LABOR, 5 MAN			173,026	0	0	0
8		400	9911	SIGNAL SHOP LABOR	80.00	0.0 MH	1,676			
* LABOR SUBTOTAL							1,676	0	0	0
* ADDITIVES										
				PAYROLL ASSOCIATED COSTS			1,127			
				EQUIPMENT EXPENSES			362			
				DA LABOR OVERHEADS			864			
				INSURANCE EXPENSES			264			
* GANG TOTAL										
				SIGSHOP-1M - SIGNAL SHOP LABOR, 1 MAN			4,293	0	0	0
PROJECT SUBTOTAL							177,319	0	0	0
CONTINGENCIES							17,731	0	0	0
BILL PREPARATION FEE							976	0	0	0
PROJECT GROSS COST							196,026	0	0	0
LESS COST PAID BY OTHERS							196,026	0	0	0
PROJECT NET COST							0	0	0	0

\*\*\*\*\* MAINTAIN PROPRIETARY CONFIDENTIALITY \*\*\*\*\*

THE B. N. S. F. RAILWAY COMPANY  
FHPM ESTIMATE FOR  
STATE OF ILLINOIS

LOCATION:- TENNESSEE DETAILS OF ESTIMATE PLAN ITEM: PSI072596M VERSION: 1

## PURPOSE, JUSTIFICATION AND DESCRIPTION

SIGNAL COST TO INSTALL A NEW CROSSING WITH GATES, FLASHERS & CONSTANT WARNING AT TR 118  
DOT 072 596 M NEAR TENNESSEE, IL ON THE CHICAGO DIV.....BROOKFIELD SUBDIV.THE MATERIAL LIST BELOW REFLECTS TYPICAL REPRESENTIVE PACKAGES USED FOR ESTIMATING PURPOSE  
ONLY.THEY CAN BE EXPECTED TO CHANGE AFTER THE ENGINEERING PROCESS. DETAILED AND ACCURATE  
MATERIAL LISTS WILL BE FURNISHED WHEN ENGINEERING IS COMPLETED.CONTINUING CONTRACTS HAVE BEEN ESTABLISHED FOR PORTIONS OF SIGNAL WORK ON THE BNSF  
RAILROAD.THIS ESTIMATE IS GOOD FOR 90 DAYS. THEREAFTER THE ESTIMATE IS SUBJECT TO CHANGE IN COST  
FOR LABOR, MATERIAL, AND OVERHEAD.

\*\*\*\*\* SIGNAL WORK ONLY \*\*\*\*\*

THE STATE OF ILLINOIS IS FUNDING THIS PROJECT. 100% OF BNSF'S COST IS AT THE STATES  
EXPENSE.

## MAINTAIN PROPRIETARY CONFIDENTIALITY

DESCRIPTION	QUANTITY	U/M	COST	TOTAL \$
*****				
LABOR				
*****				
SIGNAL FIELD LABOR	1008.00	MH	24,053	
SIGNAL SHOP LABOR	80.00	MH	1,676	
PAYROLL ASSOCIATED COSTS			17,314	
EQUIPMENT EXPENSES			5,557	
DA LABOR OVERHEADS			13,275	
INSURANCE EXPENSES			4,064	
TOTAL LABOR COST			65,939	65,939
*****				
MATERIAL				
*****				
BATTERY	1.00	LS N	5,060	
BUNGALOW 6X6	1.00	EA N	5,421	
BUNGALOW MATERIAL	1.00	LS N	7,525	
CABLE	1.00	LS N	6,768	
CHARGERS	1.00	LS N	904	
FIELD MATERIAL	1.00	LS N	7,388	
GATE KEEPER	2.00	EA N	3,434	
GATE MECH. MODEL 95	2.00	EA N	10,110	
HXP3R2, SYSTEM	2.00	EA N	37,426	
MISC. MATERIAL	1.00	LS N	2,000	
ONE WAY SIDELIGHT ASSY	1.00	LS N	700	
RTU-6 CELLULAR MONITOR	1.00	EA N	1,818	
VIGILANT RECORDER	1.00	EA N	1,683	
USE TAX			5,772	
OFFLINE TRANSPORTATION			1,131	
TOTAL, MATERIAL COST			97,140	97,140
*****				
OTHER				
*****				
CONTRACT ENGR.	1.00	EA N	6,000	
FILL DIRT	80.00	CY N	2,000	
MACHINE RENTAL	1.00	EA N	6,240	
TOTAL, OTHER ITEMS COST			14,240	14,240
PROJECT SUBTOTAL				177,319
CONTINGENCIES				17,731
BILL PREPARATION FEE				976

GROSS PROJECT COST  
LESS COST PAID BY BNSF

196,026  
0

TOTAL BILLABLE COST

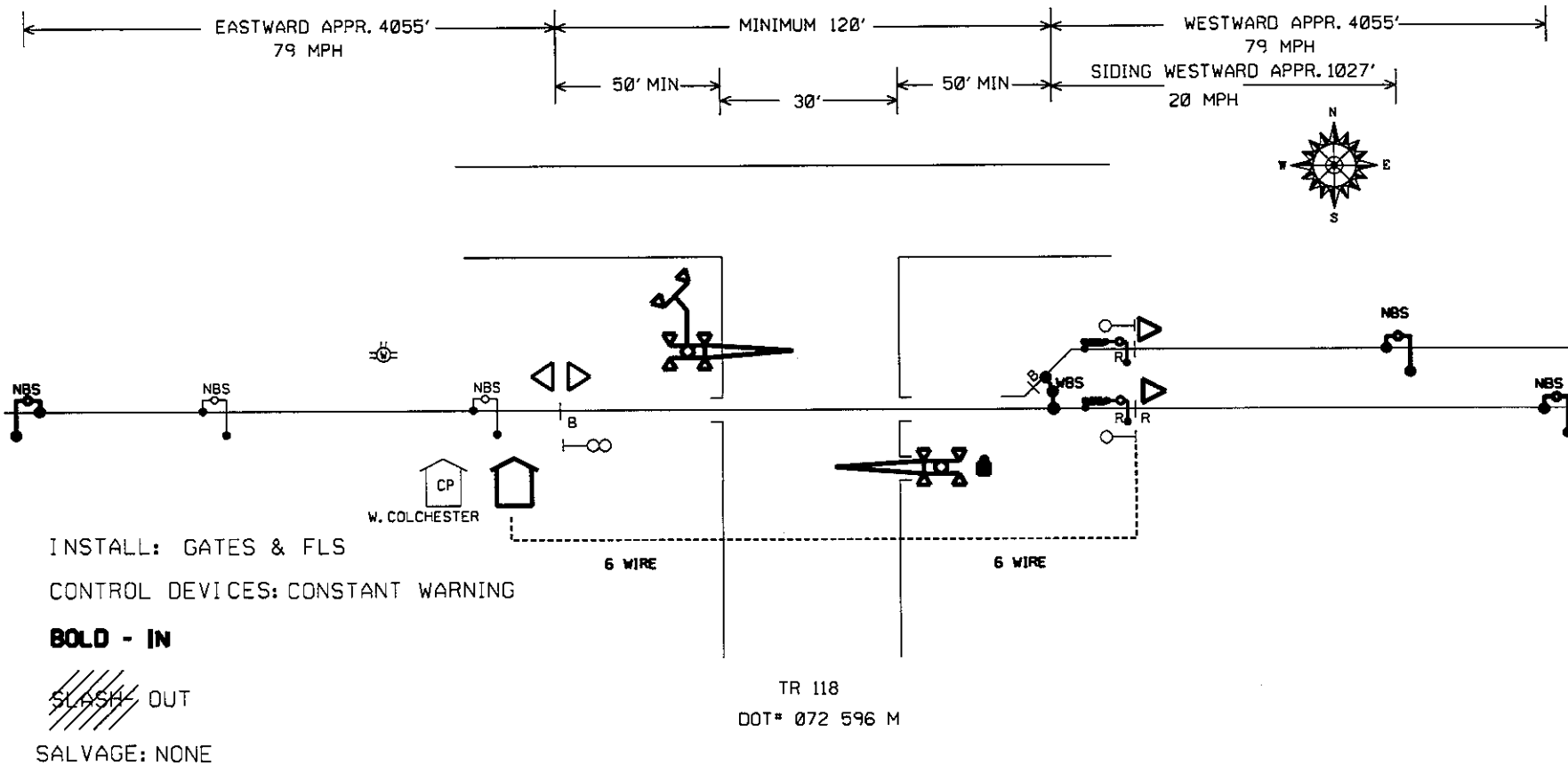
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196,026

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TO WEST QUINCY

## The Burlington Northern &amp; Santa Fe Railway Company

TO GALESBURG



- INSTRUMENT HOUSE
- BELL
- METER
- CROSSING CONTROL CONNECTIONS
- UNIDIRECTIONAL CROSSING CONTROL
- BIDIRECTIONAL CROSSING CONTROL
- COUPLER OR TERMINATION
- GUARD RAIL

## Warning device placement:

Clearance to C.L. Track = Min. 12', Max. 20'

Edge of Road to C.L. Foundation:

Min. 4'1" with curb,

Min. 8'1" without curb,

Max. 12'

House Clearance: 25' Min. to C.L. of Track

Front Lights: 30' Min. to Edge of Road

Back and Side Lights: 70 Degree Lenses

Canilever Jury Mast: 20-32 Degree Lenses

BNSF RAILWAY CO.

TENNESSEE, IL.

TR 118

LS 0011 BROOKFIELD SUBDIVISION

MP. 210.78 CHICAGO DIVISION

DOT# 072 596 M

KANSAS CITY

NO SCALE DATE: 01/09/02

FILE: 0011210.78.DGN

MCR/TLP